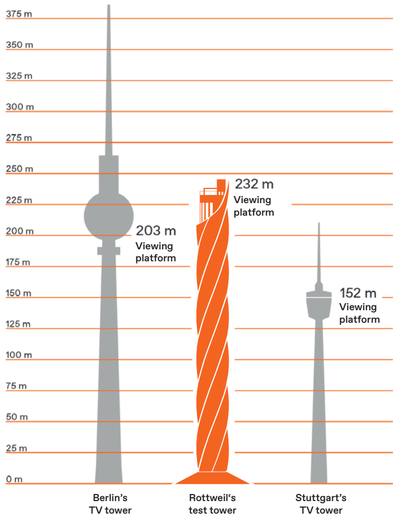
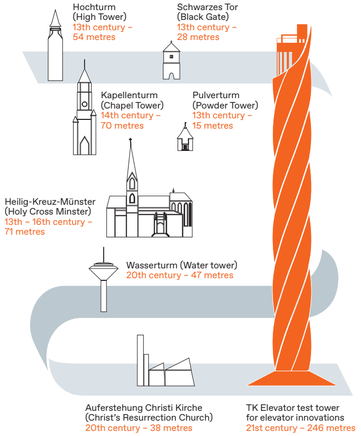
The highest of them all

At 232 metres, Germany's highest public viewing platform is more than 80 metres higher than Stuttgart's TV tower and offers a spectacular panoramic view.



Welcome to Rottweil – the town of towers.

The TK Elevator test tower – a landmark of progress.
The tower is not only a symbol of engineering excellence but also of Rottweil as a whole; standing alongside the town's historical church steeples and fortified towers from the Middle Ages, the tower is another defining element of the town's character.



Guided tours

Germany's highest viewing platform awaits you, offering a unique panoramic view of the Swabian Mountains and Black Forest all the way through to the Swiss Alps. Learn interesting facts about the TK Elevator test tower and enjoy the unparalleled view of the historical town centre and the region as a whole.
More information on this can be found on the tourist information section of the town's website at www.rottweil.de

A unique event location

The extraordinary contrast between the tower's modern design and the view of Baden-Württemberg's oldest town will create a truly special atmosphere for your events.
Function rooms that can be used individually or together give you a wide range of options:

Level at	Name	Square footage
232 m	Viewing platform	125 m²
220 m	Large conference room	157 m²
213 m	Middle conference room	88 m²
216 m	Small conference room	65 m²
0 m	Customer lobby	160 m²
0 m	Media lobby	82 m²
0 m	Visitor's lobby	146 m²

Please get in touch via the contact form available at www.testturm.de

#testturm

We like publishing your photos of your time at the tower:

- Share a photo of the test tower on Instagram or Twitter.
- Use the hashtags #testtower and #tkelevator
- The photo will then appear on our test tower website (this only works if your account is not set to private) as well as the screen on the platform.
- Your copyright to the photo/video remains unaffected.

Entry prices

Adults	€ 12.50
Children/Youth (6-15 years)	€ 8.00
Children up to 5 years	free entry
Family ticket (1-2 parents with their own children up to and including 15 years of age)	€ 35.00
Groups of 16 or more, per person	€ 10.00
Schoolchildren*, Students*, BFD*	€ 8.00
High school/school classes, per person**	€ 6.00
Birthday children***	free entry
Persons with disabilities (including accompanying person)****	€ 8.00
TKE Employee*****	€ 8.00
Annual ticket / Annual ticket reduced*	€ 50.00 / € 30.00

* Upon presentation of a valid identity card. Tickets are only valid for the respective person and are not transferable.

** Upon presentation of a valid school certificate. Price per student, teacher, accompanying person.

*** Upon presentation of a valid ID card. Ticket valid only on the birthday.

**** Upon presentation of a disabled person's pass (with entry B in Germany) – accompanying persons will receive their free ticket at the ticket booth.

***** Only issued at the ticket booth upon presentation of a valid employee identity card. Tickets are only valid for the respective person and are not transferable. Price also applies to adult accompanying first-degree relatives (partners, parents and children).

Opening times

Friday / Saturday 10 am – 6 pm
Sunday / bank holiday 10 am – 6 pm
Up-to-date opening times during holidays, winter specials etc. can be found at any time at testturm.de

Car parks

The test tower and car parks are clearly signposted.

Adress

TK Elevator Innovation
and Operations GmbH
Berner Feld 60
78628 Rottweil

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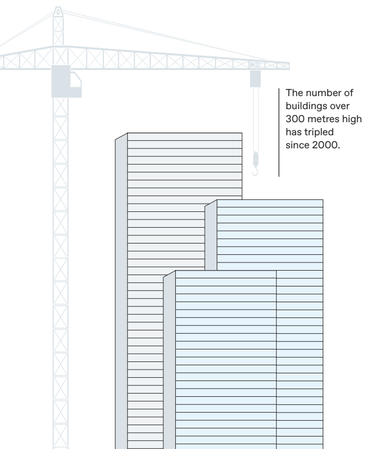
The future begins in Rottweil

More and more people are leaving rural areas and heading to urban ones, with over 70% of the world's population expected to be living in cities by 2050. According to a report compiled by the McKinsey Global Institute, the floor area of buildings alone is estimated to increase by 85% by 2025 as a result, presenting us with one of the greatest challenges of our time:

How to transport everyone from A to B as efficiently, quickly, safely and conveniently as possible? Solutions to this predicament have been developed in Rottweil since 2016 – in TK Elevator's test tower.



Technology for the cities of tomorrow

The 246-metre-high test tower provides optimal conditions for testing and certifying new elevator systems.
The tower with a diameter of 21 metres features 12 shafts in which engineers can test elevators travelling at dizzying speeds of up to 18 m/s. This tower puts Rottweil at the forefront of developments in vertical passenger transportation.
Three 100-metre-high shafts have been specially designed for testing the innovative MULTI system.

Conventional elevators

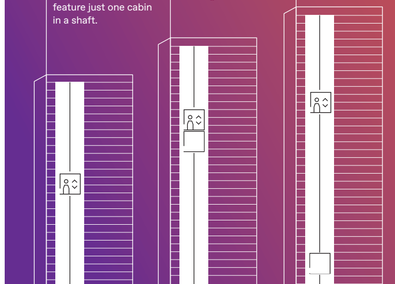
Standard elevators feature just one cabin in a shaft.

Double-decker elevator

Thanks to two securely connected cabins, the elevator can stop at two floors at the same time. However, passenger loading is a logistical challenge.

TWIN: two cabins in one shaft

TWIN is more efficient as cabins can be operated independently of one another. The dream of multiple cabins in one shaft has become a reality.



MULTI

The higher the building, the more shafts and space required for conventional elevators. MULTI combines rope-less linear motors with horizontal and vertical operation and utilises the shafts more effectively.

Shorter waiting times

Passengers will never need to wait more than 15 to 30 seconds for an elevator.

Less space required

MULTI decreases the space required for an elevator by up to 50 % and increases transportation capacity by the same amount.

Reduced weight and mass

Not incorporating ropes and counterweights decreases the weight of the cabin and door by up to 50 %.

Unlimited design opportunities

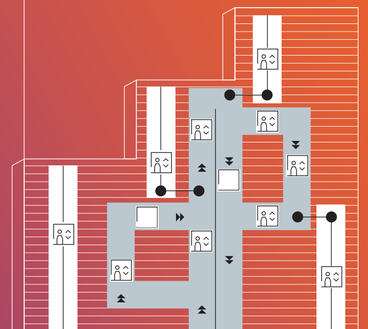
MULTI enables design in all directions.

Focus on safety

Passenger safety is ensured via the multiple drive system and braking system for the cabins.

Legendary status

MULTI is one of TIME Magazine's 25 best innovations of 2017 and won the 2018 German Design Award.



Built at the highest level

The unique TK Elevator test tower impresses with "highly complex and revolutionary engineering", which has been awarded the 2018 "Deutschen Ingenieursbaupreis" (German civil engineering award), among other honours.

Despite its imposing height, the tower maintains a graceful and sophisticated look. Architects Werner Sobek with Helmut Jahn clad the concrete shaft with a fabric sheath made from fibreglass cloth.

At the base, the cloth has a close-mesh structure but reveals more and more of the tower towards the top, reflecting the light at different times of the day and across the seasons in diverse ways. This gives the tower a different look and feel depending on the weather conditions and time.

How many floors does the test tower have?

The tower has 26 floors each situated 10 metres apart, and 10 floors situated three to five metres apart, resulting in 36 floors in total.
If we had a floor every 3.5 metres apart as in a typical building, then there would have been 75 floors in this tower.

Does the tower sway?

Yes, the force of the wind can cause the tower to move by up to 75 cm.
A 240-ton pendulum in the test tower counterbalances the movements of the tower.

How many steps are there in the tower?

There are 60 steps to climb every 10 metres that the tower ascends. In total therefore, there are 1,617 steps.

Towerrun. The launch event in 2018 saw around 700 athletes complete the highest tower run in Western Europe. The winner needed less than seven minutes to cover the 1,390 stairs ascending from 0 metres to 232 metres.

How long does the journey up the tower take?

The panoramic elevator – a standard but fast traction elevator – travels at eight metres per second and visitors arrive at the viewing platform in around 30 seconds.

The membrane helps to reduce the amount that the building sways by redirecting the force of the wind.

The 17,000-square-metre covering made of a PTFE-coated fibreglass cloth surrounds the tower.

The foundation of the test tower goes 30 metres down into the bedrock.

The membrane protects the concrete from irregular stresses caused by solar radiation and low temperatures.

> At the end of their service lives, the fibreglass membrane, steel structures and concrete can easily be removed and recycled.
>
> Dr. Werner Sobek

A mammoth project at high speed

An impressive construction speed

Growing at a rate of 3.6 metres per day, the tower managed to grow three times as fast as bamboo in perfect conditions.

A project with depth

By the end of the project, 30,000 cubic metres of excavated material had been moved, which roughly corresponds to the weight of 60 million filled water bottles.

Big ideas require space

Spanning a total of 10,000 square metres, the plot of land could accommodate around 50 tennis courts.

An impressive heavyweight

Upon its completion, the tower came in at 40,000 tons – weighing the same as 8,000 African elephants.